

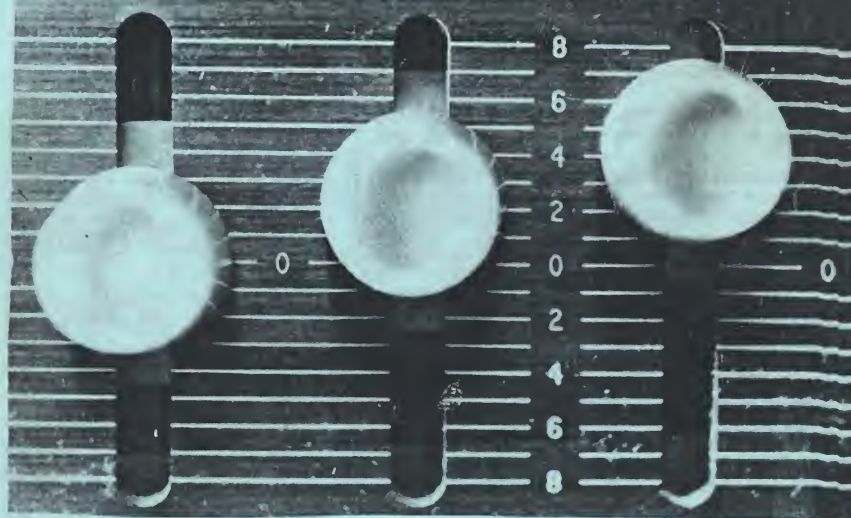
X STA ADDRESSES

December '89

The

# ACE

252-A GRAPHIC EQUALIZER



## IN THIS ISSUE:

- DiaLogs by Kirk Baxter ..... page 2
- Feature by Don Bishop ..... page 9
- The Directory by John Arthur ..... page 14
- Veried Response by John Arthur ..... page 16
- DX Clipboard by Andrew Yoder ..... page 19
- Clandestine Profile by George Zeller .. page 20
- Covert Corner by Harry Helms ..... page 22
- Los Numeros Update by Havana Moon ..... page 23



# DiaLogn

by Kirk Baxter

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 Loggings must be received at PO Box 11201, Shawnee Mission, KS 66207-0201 on or before the 25th of the month in order to be certain they will be included in the following month's bulletin. Loggings received later may be included if space permits and if my time allows.  
 Halloween had a tremendous number of stations on the air!! I heard several, which is highly uncommon for my QTH. I hope all of you enjoyed the pirate activity!! Watch for more action around the upcoming Christmas and New Year's holidays.  
 I have now been publishing the ACE for 6 months. I want to publically thank all of our regular editors and our contributing editors. I encourage ALL of you to send your information into these folks so that their columns can cover the material you find most interesting. Harry Helma has indicated to me that his reader participation has dropped off considerably. I want to urge all of you to send him your clandestine logs; I know there are many of you out there that find this material fascinating, so show Harry you appreciate his efforts!!  
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## NORTH AMERICA - MEDIUM WAVE

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**WKND:** 1621.2, 11/1, 0416-0600\*, SIO=242. Slick show by Radio Animal, celebrating 1st birthday. Simulcast on 6239.9. Mx by Steely Dan, Moody's, Bowie, etc. PSAs for dental protection & drinking/driving. Credit to other pirates. Mr. Magoo, Omega Man KRUD, WJDI (tnx for studio use), WBST, R. F. Burns & R. Clandestine and R. NewYork Int'l. Possibly RNI person in studio. Live TCs. Annnc antenna probs, but I'd have thought it was a local stn. Special QSL offered by WV addr. IS of drums & voice saying "Oh, Little Mama." (RICHOLSON,VA)  
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## NORTH AMERICAN - SHORTWAVE

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**East Coast Pirate Radio:** 7442.2SSB, 10/21, 2257-2259\*, SIO=333. Audio distorted like SSB; could not find beat freq before s/off. British invasion rock song of mid-60's. (PROVANCE,OH) 7414.9, 10/29, 0429-0451\*, SIO=333. ID & Beatles "White Album." QRM de KNBS. (BAXTER,KS) 7415, 10/29, 0429-0450. Super sig. Beatles mx, incl "Back in the USSR." Lots of IDs. (SACHS,IL) 7415, 10/29, 0430-0457\*. Side from Beatles' "White" album; PSE QSL. (BISHOP,KS) 7414.8, 10/29, 0438-0453\*, SIO=333. QSL addr. OM DJ. (ROSS,ONT) 7407, 10/31, 2331-2339\*, SIO=534. H'ween show. Annnc said they would be on 15010 at "0000." Did not find them despite several checks. Carrier detected on 15009.3, but nothing else. (RICHOLSON,VA) 7485v, 11/19, 0540-0554\*, SIO=343-. Var rock w/ OM annnc. Drifted down 200 Hz in 14 mins. (ZELLER,OH) [POB 6527, Baltimore, MD 21219.]

**Free Radio One:** 7415, 10/30, 0155-0221\*, SIO=232. Tape of WABC call-in show w/ David Duke of KKK. OM DJ said they will play anti-IRS song so listeners can tape it. WABC show taped, not // to 770. (ZELLER,OH) 7415, 10/31, 2315-0214\*. Long best. Hrd "We appreciate rcvng tapes from listeners" to help them about reception. Comments abt Federal Reserve. (BISHOP,KS) 7410, 10/31-11/1, 2330-0200. 1st on 7415, but moved to 7410 due to jammer. Boring right wing stuff. Even VOT has some mx! (SACHS,IL) 7411, 11/1, 0005-0017, SIO=434. ID/ad at 0005 by Dr. Richardson, said they were jammed on other freq. Lecture on Fed Res & money system. (WOOTEN,GA) 7410, 11/1, 0017+, SIO=111. Tentative. Talk abt government. (BAXTER,KS) 7410, 11/1, 0049-0149, SIO=222. Same. (ARTHUR,NY) 7410, 11/1, 0101-0214\*, SIO=322-. Long talk on loss of individual rights. Copy poor due to WSHB hiss slop. Moved down 5 kHz to avoid jamming. (ZELLER,OH)

**Hope Radio 16:** 7403.5, 10/15, 0304-0350\*, SIO=444. Robert Johnson mx. Then Pirate's Den, w/ reading abt RNI. "Glum Club Comedy Show" w/ Cosby. Ended w/ Zep's "Black Mountain Side." PSE QSL. (PROVANCE,OH) 7405, 10/15, 1402-1455+, SIO=212. Blue mx & Cosby. (GRACE,MA) 7355.5, 10/29, 2326-2358\*, SIO=534. Usual pgm: rock, PopComm reading & Cosby. 100 watts. PSE QSL. (RICHOLSON,VA) 7355.5, 10/29, 2331-2359\*, SIO=444. Fine sig, slight drift. Beatles sitar mx at end. (ZELLER,OH) 7399.2v, 10/30, 0315-0401\*, SIO=444. Rpt of 2330 10/29 xmsn. Nice sig. (ZELLER,OH) 7399.7, 10/30, 0320-0339, SIO=322. Poor sig buried in RTTY. Usual pgm. (ARTHUR,NY) 7399.6, 10/30, 0329-0400\*, SIO=524. Same. (RICHOLSON,VA) 7388, 11/1, 2124-2156\*,

SIO=423. New pgm, same format: Zeppelin 3 & Carlin album skits, ads for Certified Public Schmucks, St. Anthony's Home for Occasionally Coherent, book club w/ books like "Poems for the Insane," "Controlling Fear w/out Getting Frightened," "How to Organize a Tupperware Gang Bang," "I Suck, You Suck." PSE QSL. (RICHOLSON,VA) 7396.1, 11/1, 2220-2300\*, SIO=312. Same pgm. (RICHOLSON,VA) 7399.7, 11/4, 0324-0350\*, SIO=444+. Carlin comedy. Sitar at QRT. (ZELLER,OH) 7409, 11/11, 2312+. Rock mx. Not as strong as usual. (SACHS,IL) 7409, 11/11-12, 2314-0012+, SIO=444+. Usual pgm. (ZELLER,OH in WV) 7409, 11/11-12, 2324-0020, SIO=524. Rock & Carlin comedy. (RICHOLSON,VA) 7409, 11/11-12, SIO=444. ID by MJ Music. X-rated Carlin. (GRACE,MA) 7409, 11/12, 0000-0024+, SIO=454. Same. (ARTHUR,NY)

**KNBS:** 7413, 10/25, 2235-2311\*, SIO=424. New QSL cards. Ad for "Dial a Curse" & mentioned "Pot Seedy, illustrious engr." (WOOTEN,GA) 7410, 10/25, 2302-2330. Host Phil Muzik. Pro-reefer rock mx. ACE plug. (SACHS,IL) 7415.18, 10/29, 0455-0513, SIO=333. OM DJ - Phil Muzik. Talk abt DEA & CIA drug ops. IDs as KNBS & Cannabis Radio. Send \$2 for ACE sample. Hilo QSL addr. (ROSS,ONT) 7415, 10/29, 0455-0522\*, SIO=111. Gave DC addr, possibly for NORML. Public affairs pgm; ID as "KNBS, the stn with your mind in mind." (BAXTER,KS) 7415, 10/29, 0457+. Under ECPR until ECPR s/off. Mx selections & "news briefs." Mentioned ACE. PSE QSL. (BISHOP,KS) 7415, 10/29, 0457-0521\*. Rock mx, sponsored by Marijuana Growers Co-op. (SACHS,IL) 7435, 10/29, 2308-2343, SIO=343. New maildrop for listeners. Pot Seedy more active. (ARTHUR,NY) [Wellsville NY addr.]

**Monty Python Radio:** 7416, 10/21, \*2044-2110\*, SIO=111. Python skits. OM on w/ ID & s/off. PSE QSL. (GRACE,MA)

**Munchkin Radio:** 7395, 11/1, 0516-0519\*, SIO=343. The Wizard as DJ. "Frontal Lobotomy" song and eerie laughter. Russian Bandstand. Book club ad from George Carlin. Closed w/ 2001 theme.. Echo voice. (YODER,WV) 7396, 11/1, 0516-0530. Prob relay of old tape, but what a treat!! Really wierd sound effects & mx - one song was sheep bleating a tune. U. S. Mail song. Too bad I caught this late. PSE QSL. (SACHS,IL) 7395.5, 11/1, 0518-0529\*, SIO=333. Funny ads. OM w/ Russian accent tx abt #1 song in USSR. Sheep song. No addr. PSE QSL. (ROSS,ONT)

**RFM:** 7415.5, 10/29, 0209-0253\*, SIO=333. Mellow, new-age like mx. ID every few mins. Phony ads. Special song for "old time pirate listeners." Licensed by Director of Cosmic Forces. (PROVANCE,OH) 7415.5, 10/29, 0215-0251\*, SIO=434. Good pgm w/ annnc & staff (Harry Callahan, Negative Responses; Freddy Kruger, Communications expert; Michael Myers Stn Security officer). Spoof for Unscientific American mag, "AAA, Am Agnostic Assn.", & GO, The Geek Quarterly. Read "letters" de neighbor complaining of QRM & FCC. From 0219 on, QRM de WYMN on 7412.1. (RICHOLSON,VA) 7415, 10/29, 0219-0236, SIO=222. Jazz mx. (ROSS,ONT) 7490.1, 10/29, 0528-0601\*, SIO=222. New age mx. Fading. ID @ s/off. (BAXTER,KS) 7490, 10/29, 0535+. Heavy rock w/ 1 clear ID. Bad QRM. (SACHS,IL) 7415.5, 11/6, 0229-, SIO=232. Var mx, mostly instrum rock, cross between pop & progressive. Read receipt rpt de FCC. (ZELLER,OH) 7490.2, 11/12, 0135-0149\*, SIO=333-. Jazz mx. Phony annncmt of FCC invading pirate gathering w/ motorcycles. (ZELLER,OH in WV) 7490.3, 11/12, 0141-0148, SIO=212. Mention of Wash DC & FCC agents. (RICHOLSON,VA) [Slanesville WV addr, Annnc HV Short]

**Radio Comedy Club Int'l:** 7410, 10/30, 2308-2337\*, SIO=434. Decent sig w/ special Halloween show. (ARTHUR,NY)

**Radio Free Willy:** ALL LOGS 7405+/-, 11/1, within 0432-0543\*. Long IS w/ many IDs. Folk mx w/ beer commercial spoof. OK sig, but mod needed boost at times. (RALEIGH,NV) Best sig last H'ween & best sig this H'ween. Acoustic mx. Talk abt economics that prevent diversity in commercial pgms. Funny ad for zoo animals as guards. Annnc "Omar" said RFW site is protected by such animals. Sig peaked at S9+10 & then faded to nothing in an hour. Let's have more, Omar!. (BISHOP,KS) SIO=555->111, Bell IS. Intersanctum intro w/ jazz mx. Spoof ad w/ Reaganites for "Slight Beer." Ad for wild elephant. Ask Mr Science pgm. Played mx "you won't hear on commercial radio." (BAXTER,KS) SIO=312. Int'l svc. Ollie North for "Slight Beer;" herbicide for "yellow nut;" stolen auto ad; PSA for Army, Navy, Air



Force, Marines: "If nothing else, you'll learn to kill." Joked abt FCC & mentioned song "When I Grow Up, I Want to be a Woman." From "unsolicited location in N Am." CW interference & somewhat muddy audio. PSE QSL. (RICHOLSON,VA) SIO=212. Mx, skits, FCC commentaries. PSE QSL. (GRACE,MA) Country mx. Spoof beer ads. Jungle animals for your home. (SACHS,IL) SIO=212. Mentions of besting to E. half of N Am. Shaky sig. Firesign theatre excerpt of Ralph Spillsport motors. PSE QSL (ALLINSON,NC) SIO=544. Folk type mx. Ad for Vasoderm, beer & stolen autos. Possibly annncd as R. Free Wave. Great sig. (BARNARD,ONT) SIO=333. Public radio-type mx. Great! Comic ads. (MUSSELL via ANARC BBS) SIO=444. C/W, Jazz mx & IDs. Part of Softball Radio Network. PSE QSL. (ROSS,ONT) SIO=555. Humorous PSA & annmt they were winding up. Jazzy piano, celtic-type song. Unique! Ralph Spillsport Motors fake ad. (PROVANCE,OH) SIO=333. Folk mx by YL. (BROWN via ANARC BBS) [QSLs to ACE BBS]

Radio Garbanzo: 7435, 10/29, 0105-0148\*, SIO=323. Hilarious. Buckle Up phony PSA, editorial on gun control, Harry took LSD and went into a laughing fit. He was babysat by horny receptionist and you could hear the outcome - they interrupted songs w/ moans & "Harry, shut the #!#! door!" Ended w/ IS complete w/ whoops. (PROVANCE,OH) 7412, 11/11, 0529-0533, SIO=222. Lots of laughing, poor sig. (MUSSELL via ANARC BBS) 7485, 11/12, 0135+. Extremely overmod - too bad!! FF usually puts out a super pgm. (SACHS,IL) 7485.2, 11/12, 0150-0220\*, SIO=444. Usual collection of rock & free-form sketches w/ annncr Fearless Fred. Sketch on inserting batteries to improve mod. He needed it - good sig but excessive mod made for tough copy. Yelping poodle at QRT. (ZELLER,OH) 7485, 11/12, 0152-0220\*, SIO=424. Mx & OM w/ ID. Funny skits & comedy. (GRACE,MA) 7485, 11/12, 0158-0220\*, SIO=242. IDs, very unclear mod. (SMITH,TN) 7485.2, 11/12, 0204-0220\*, SIO=555. Nice sig, but overmod. Var mx and ads. (ARTHUR,NY) 7485.4, 11/12, 0208-0219\*, SIO=542. Mentioned vampire who got AIDS. 60's & 70's rock. Poor annncr audio. (RICHOLSON,VA) [Wellsville addr.]

Radio NewYork Int'l via WKND: 6239.9, 11/1, 0521-0554, SIO=545. RNI rep appeared on WKND pgm, mentioning reception rpts & giving addr of 496 LaGuardia Pl., Suite 451, NY, NY 10012. Talked abt Good Ship Sarah & said in 5 mins. they would be on 530 kc. Couldn't check 530 kc since freq used at Washington Nat'l Airport to rpt on parking lot conditions. Couldn't tell if this was live or a tape. (RICHOLSON,VA)

Radio USA: 7411.4, 10/28, 0302-0308\*, SIO=232. Rock mx w/ raspy voiced annncr. R. USA Newsroom mentioned w/ headlines. (PROVANCE,OH) 7412, 10/28, 0305-0328\*. Usual hard rock mx w/ (SACHS,IL) 7411v, 10/28, 0314+, SIO=444. Old dishwater ad. Echo on voice. "Off Center" talk show. (KOSAKOWSKI,MA) 7407.2, 10/28, \*2200-2208\*, SIO=354. IS w/ British accented DJ said were besting from ship in Atlantic. Relayed to Europe via Wonderful Free R. London. Gave pgm details over Wings mx. Am sounding DJ then on saying preceding was to get rid of riff raff. Rock mx, Black Flag phony concert ads & mx by Black Flag. Foghorn, weird sounding OM said "from a leaky bathtub" gave ID and laughed. Off abruptly. (PROVANCE,OH) 7407.1, 10/28, 2207-2207\*, SIO=333. Mx, followed by annmt "from somewhere off the coast of N Am, this is Radio USA," followed by horror movie laughter. (RICHOLSON,VA) 7407.3, 10/29, \*0200-0213\*, SIO=444. Played some rock mx, then into Mailbag 452 w/ listeners' letters. Phony ads, Wellsville addr. Police siren & abruptly off. (PROVANCE,OH) 7475, 10/30, 0005-0016\*. Heavy rock. Seem to be on for short durations these days. (SACHS,IL) 7407.1, 10/31, 2313-2325\*, SIO=424. Halloween show. Songs from diff groups. Spoof ads for book "The Naked Virgin" & "Crotch" a jock itch remedy. (RICHOLSON,VA) 7415, 11/12, time?. On top of CW #s stn. One clear ID. (SACHS,IL) 7413, 11/12, \*0306-0343, SIO=251. Said "action packed show." Bad QRM. Wish I had better copy. Darn CW #s stn! (GRACE,MA) 7412.4, 11/12, 0307-0342\*, SIO=323. Fair sig, Fruit of the Loom Nx Briefs. PSE QSL. (ARTHUR,NY) [Hilo addr]

Radio Voice of Kramer's (Cramer's?) (Trailer?) Park Ministry: 7415v, 11/11, 2030-2158+, SIO=322. Black preacher talking abt women. Portions seemed to be repeated. PSE QSL. (ARTHUR,NY) 7415, 11/11, 2120-2242\*, SIO=333-. New stn. Black preacher w/ sermon & gospel choir. Freq ID tape by OM saying "Hello Americans" & "And all ships at sea," "America's first shortwave pirate ministry." ID. Tough copy due to buzzing ute just above freq & loud het de India on 7412. PSE

QSL. (ZELLER,OH) 7415, 11/11, 2129-2147, SIO=111. Hrd annncr name of RF Fields and church service. Hymn singing. (HOGG,ONT) 7415, 11/11, 2222-2242, SIO=212. Enormous buzz saw QRM. Black gospel preaching & singing w/ freq annmcs. (Wonder if this is same R.F. Fields mentioned in Nov. 88 Free Air, pg. 4.) Full ID tnx to J. Arthur's log on ACE BBS. PSE QSL. (RICHOLSON,VA) 7415.8, 11/13, 0136-0145+, SIO=222-. Vy poor copy - right on top of new loud buzzing ute noise. Caught clear ID, identical to 11/11. (ZELLER,OH) [DJ Rev R.F. Fields]

Samurai Radio: 6275, 10/28, 2201-2206\*, SIO=323. Presumed. Rock song until 2203; silent until power off at 2206 (prob. mike problems as later.) PSE QSL. (RICHOLSON,VA) 6275, 10/28, 2211-2228\*, SIO=323. Rock songs; mx audio OK; annncr barely audible. (RICHOLSON,VA)

Secret Mountain Laboratory: 7433, 10/29, 0403-0435. Reading from story "The Telltale Heart." What a night! WHBH, SML & ECPR all on at same time. (SACHS,IL) 7434.3, 10/29, 0425-0434\*, SIO=333. Radio play 0425-0434\*. Instrum mx. Hilo addr. (ROSS,ONT)

Tangerine Radio: 7411, 10/29, 2235-2247\*, SIO=333. Long lost Raunchy Rick w/ pgm abt freedom. PSE QSL. (ARTHUR,NY) 7411.3, 10/29, 2237-2246\*, SIO=343. Harrison & Lennon mx. OM annncr tells fortune of stn using 1 ching. Advises listeners to sell their possessions & send proceeds to Tangerine R. via Hilo addr. (ZELLER,OH)

Voice of the Abnormal: 7411, 10/28, 2300-2342\*. Punk mx w/ Hween flavor. Songs from Barnes & Barnes, and Butt Kickers from Outer Space. OM sounded like Wolfman Jack. Very well done. (SACHS,IL) 7411.4, 10/28, 2301-2343\*, SIO=555. H'ween mx; annual H'ween bcst. Ended w/ skit "Drop Dead" abt a brain-eating psychotic and off abruptly. No mail drop. Exc audio, strong sig & familiarity w/ radio amateur lingo. PSE QSL. (PROVANCE,OH) 7411.3, 10/28, 2308-2342\*, SIO=333. Interesting show from newer pirate w/ Halloween special & rock/Halloween mx. Annncr w/ Wolfman-type voice. PSE QSL. (RICHOLSON,VA) 7411.3, 10/28, 2320-2343\*, SIO=222. Daylight here, so poor reception. Hrd Zappa's "Goblin Girl" & "It's Halloween" by the Shags. Voice IDs nearly inaudible. (BAXTER,KS) 7415, 10/28, 2325-2344\*, SIO=323. New one for me. "The Voice of the Abnormal - when all us abnormal take our masks off!" Halloween special. Faded in and out. S/off had wind noises, barking dogs, a whistle & cymbals. (LATHEROW,VA) 7412, 10/28, 2334-2342, SIO=333. Halloween pgm. (COLLINS,WI) 7411, 10/28, 2340-2342\*, SIO=444. Scarry radio play w/ YL talking abt eating brains. Off 2342. (ROSS,ONT) 15015, 11/1, 0000-0010\*. May have been testing. Halloween special. Good sound effects. Off abruptly & did not return. (SACHS,IL) 7411, 11/1, 0223-0307\*. S/on w/ "You Can't Always Get What You Want." At 0227, strong QRM de CW #s stn on 7413. Hrd a "Rap," but couldn't make it out. Good sig strength, but weak modulation. PSE QSL. (BISHOP,KS) 7411.1, 11/1, 0226-0304\*, SIO=222. Hrd Rocky Horror Picture Show theme, "Halloween Spooks" song, "Wierd" and "Halloween" by the Shags. IDs at 0249-0304. (BAXTER,KS) 7411.4v, 11/1, 0226-0307\*, SIO=444 - 424. Var vampire, ghost, goblin mx. Horror tale by OM w/ British accent. Twice hrd Buffalo Bob - Hey gang, what time is it? Bad CW QRM. At QRT "...until next year..." PSE QSL. Well-produced. (ZELLER,OH) 7410, 11/1, 0230-0307\*, SIO=333. Same show as 10/28. (ARTHUR,NY) 7410, 11/1, 0230+. Repeat of 10/28 bcst. Bad QRM de int'l jammer on 7415. On after FRO. (SACHS,IL) 7412, 10/31, 0237-0307\*, SIO=251. Same pgm as 10/28. Hrd "Cemetery Girls" by Barnes & Barnes and "Excitable Boy" by Zevon. Covered by CW T11 T11 855 etc until 0250. (COLLINS,WI) 7411.3, 11/1, 0232-0306\*, SIO=222. Rpt of 10/28 pgm. Closed with "from one abnormal to hopefully many others who might have been listening... plant you now & dig you later." Part of album "Drop Dead." PSE QSL. (RICHOLSON,VA) 7411, 11/1, 0253-0307. Halloween songs w/ IDs. (ROSS,ONT) [Annncr Yukon Jack, Wellsville NY addr]

Voice of the Epileptic Catfish: 7444.6, 11/11, 2204-2220\*, SIO=423. Beatles & other rock. Claimed 1200 watts. "Like the 7 yr locust, we return every 5 yrs." (RICHOLSON,VA) 7445, 11/11, 2209-2220. Novel name! Said would go back underground for 5 yrs. Send 3 stamps or box of fish food for QSL. Pretty creative - first "catch" for me of this one - Hi! (SACHS,IL) 7445.2, 11/11, 2105-2114\*, SIO=253+. IS and ID tape. Said to be in 74m band. Clear copy on 2010 while at pirate gathering in WV. (ZELLER,OH in WV) [Slanesville WV addr]



**Voice of Laryngitis:** 7435.1, 10/28, \*0129-0211\*, SIO=444. Welcome return of one of the best. Genghis said Cowboy Stan arrested for wearing spurs on beach. JFK assassination inquiry by Bull Bruiser. Ad for championship mud wrestling grudge battle of monster ministers at Tulsa Coliseum between VOL's Rev Billy Bob Huxley and Oral Roberts. Jammed at 0157 by "hello radio" guy. Welcome back! (ZELLER,OH) 7437, 10/28, 0131-0201, SIO=424. Started w/ seal IS. Personalities hrd were Genghis Huxley, Bull Bruiser. Friendly Freddy Budget Burial ad. "Dead as a Doornail in Dallas" abt Pres. Kennedy assassination. Wierd Al "One More Minute." (WOOTEN,GA) 7435, 10/28, 0131-0210\*, SIO=222. Mr. Rogers spoof and Alan Parson's "Dr. Tarr & Prof. Feather" song hrd. Most talk inaudible due to QRN. Seals at s/on & s/off. (BAXTER,KS) 7435.1, 10/28, 0150-0211\*, SIO=434. Cowboy Stan w/ his cows. Salmon Rushdie's apology for Satanic Verses, Mr. Huxley's neighborhood. Billy Bob Huxley vs. Oral Roberts spoof on studio wrestling hype for battle between these two evangelists. (PROVANCE,OH) 7435, 10/28, 0208-0211\*. Caught tail end of bcst. Usual Artie the seal s/off IS. (SACHS,IL) 15016, 10/30, 0205-0220+, SIO=232. Weak, found by accident when tuning for WMR. (ARTHUR,NY) [Wellsville addr]

**Voice of Monotony:** 7435, 11/1, 2350-0015, SIO=323. Aerosmith & Guess Who mx. Cheech & Chong comedy. (ARTHUR,NY) 7415.8, 11/12, 0541-0548\*, SIO=555. "The Air" from Hair musical. Stn editorial by OM Salty. VG sig, but on and off at times, incl in middle of ID. Slanesville addr. (ZELLER,OH in WV)

**Voice of the Purple Pumpkin:** 7450, 10/28, 2010-2017, SIO=343. Mod sig w/ some fading. Hrd Beatles "8 Days a Week." ID, citing special 20th anniversary QSL. More mx & ID. Audio lost 2017. (LANDAU,NJ) 15044, 10/28, 2104-2111, SIO=232. Fair sig w/ moderate QRN. Instrum mx w/ sound effects. Played dialogue from Dracula movie. (LANDAU,NJ) 7375.4, 10/28, 2116-2141\*, SIO=444. ID claimed to be original stn w/ 20th anniversary Halloween show. Beatles "And I Love Her" & "Eight Days a Week" and Crosby, Stills, Nash & Young "American Dream." Weird s/off followed by gobblins. (PROVANCE,OH) 7375.4, 10/28, 2116-2141\*, SIO=423. Dracula story for Halloween. Severe QRM de 7377.3. (RICHOLSON,VA) 7375.3, 10/28, 2125-2142\*, SIO=444. 20th anniversary Halloween special. Scarry radio play. Said 100 watts into dipole. Squeaky door, howling & off at 2142. (ROSS,ONT) [Slanesville WV addr]

**Voice of Radio Free Indiana:** 7418.2, 11/4, 0259-0351\*, SIO=322+. Tnx to Sachs for help on ID. Talk very undermod & 5% copy. Brutal QRM de RTTY on 7414.1 and Moscow on 7420. RTTY unlisted and unid, but appears to be RR Crylic. (ZELLER,OH) 7415, 11/10, 0005-0043\*, SIO=434. 50,000 milliwatts. Song mix like local FM, w/ some C&W. Used phrase "hello radio." (COLLINS,WI) 7416, 11/11, 0028-0042\*. C&W mx. (SACHS,IL) 7415, 11/12, \*0000-0127\*. Fine sig S20+. C & W mx; sig so clear could hear switch between mic and tape machine. (SACHS,IL) 7415.3, 11/12, 0015-0127\*, SIO=213. Unable to get accurate freq. Country mx. Used phrase "hello radio" several times - mystery stn? (RICHOLSON,VA) 7415, 11/12, 0015-0056. Xmt test. Voice IDs distorted vs. mx. Top 40 stuff. (SACHS,IL) 7416.2, 11/12, 0021-0106+, SIO=433+. Some rock, but mostly country mx. Commentary. Sponsored by Johnny Angus Farms in Noble, IN. Improved over last week. Good sig, but harmful effects de WSHB slop. (ZELLER,OH) 7416.2, 11/12, 0032-0128\*, SIO=555. Strong sig. Country mx, not liked by OM anncr. (ARTHUR,NY) 7415, 11/12, 0101-0127\*, SIO=333. Country mx. (SMITH,TN) 7415, 11/12, 0111-0128. Country mx better copy than anncr. (HOGG,ONT) [PO Box 8, English IN 47118]

**Voice of Stench:** 7485.6, 11/4, 2202-2234\*, SIO=454. Relayed by ECPR. Moody Blues mx, but featured Beatles' mx. Ad incl "your mother smokes fishing worms." Tnx to named listeners. Fake ads for "NDXE Fictional Radio" and WYRR (spoof on WYFR). After s/off annmnts, OM anncd relay by ECPR. Baltimore maildrop. (PROVANCE,OH) 7486, 11/4, 2210-2252\*, SIO=323. Mostly Beatles mx, w/ free gift to those who guessed title & artist. Mentioned people writing in, East Coast Pirate R. & R. Flatulence. Baltimore box. (COLLINS,WI) 7484.9, 11/4, 2228-2234\*, SIO=444. Relay by ECPR. WV addr. Beatles song. (RICHOLSON,VA)

**WBRI:** 7484, 10/26, 0302-0325. Usual collection of varied mx from

reggae to pop. Nicely done pgm. (SACHS,IL)

**WBST:** 6210, 10/28, 0405-0413+, SIO=242. Similar to 10/15 show. DC addr is OK. (ZELLER,OH) 6280, 11/1, 0530-0624\*. S-15 sig here! Lots of spooky sound effects & strange eerie mx. Heavy bass & synthesized voice IDs. Real pro stuff! DC addr. (SACHS,IL) 6279.7v, 11/1, 0604-0623\*, SIO=423. Annrc w/ Darth Vader voice. Song mentioning "pray to me and you'll be saved..." Mentioned Hauser, FCC. Donations solicited (may have been part of relig spoof). Wash DC addr, but my last tries to this box had the letters returned. PSE QSL. (RICHOLSON,VA)

**WCPR:** 6239, 11/1, 0521. Almost inaudible, but hrd ID "WCPR" & "play a song for all our friends" at 0524. QRM de same RTTY that plagued WKND. (BISHOP,KS)

**WET** (partial ID?): 7374-7375.2, 11/1, 0404-0454, SIO=222. Halloween show w/ "Flying Purple People Eater," "Addams Family" theme, nightmare stories, wolf howls. Wellsville NY addr given. From 0500 onwards, covered by #s stn; recheck at 0512 found them gone. Any ID of good ID? (RICHOLSON,VA)

**WBBH:** 7407.1 LSB, 10/27, 0315-0434\*. ID as "Hillbilly Radio" serving Virginia. All bluegrass format. Mx sounded as though recorded from early 60's & 70's. Drifty VFO at times. Changed freq to 7405. OM had slight southern drawl. Pleasant. No QSL info. (SACHS,IL) 7399.8 LSB, 10/28, 0215+. Usual bluegrass format. This time OM had more to say, but still no QSL info. PSE QSL. (SACHS,IL) 7399.7 LSB, 10/28, 0220-0320+, SIO=312. Non-stop Appalachian folk mx. Lots of drift and not a clear sig. OM w/ twangy voice. Sometimes would talk over mx or sing along. He knew the records well. No maildrop mentioned. PSE QSL. (PROVANCE,OH) 7400, 10/28, 0330-0430, SIO=243. Much drift, esp at start. Uncle Dave (Macon) "The Grand Old Opry's first big superstar" banjo & vocal, jokes & stories. Mentioned QTH in VA. (COLLINS,WI) 7399.9v LSB, 10/29, 0316-0340+, SIO=433. Same pgming, this time giving call letters w/ ID. "Virginia's only sideband bcstr." PSE QSL. (PROVANCE,OH) 7400, 10/29, 0320-0436\*. Bluegrass format. No QSL info. Annrc had easy-going, laid back style. (SACHS,IL) 7401v, 10/29, 0350-0437, SIO=444. C/W hillbilly mx by "Uncle Dave Macon." DJ had hillbilly accent. PSE QSL. (ROSS,ONT)

**WKND:** 6240, 11/1, 0331-0520+, SIO=333. IS of Dr. Who theme. WKND - Horror Weekend Radio. WV addr. (ROSS,ONT) 6239.9, 11/1, 0334-0600\*, SIO=5+45. Very slick show by R. Animal. Simulcast on 1621.3. PSAs for dental protection & drinking/driving. Mx by Steely Dan, Moody Blues, David Bowie, etc. Credit given to other pirates: Mr. Magoo, Omega Man of KRUD, WJDI (tnxs for studio use), WBST, R. Clandestine & RF Burns, & Radio NewYork Int'l, for which addr was given. May have had RNI person in studio. Said RNI going to 530 kc. Live TCs. Said were having antenna probs, but I couldn't tell! Special QSL via WV addr. Interesting IS of drums & voice saying "Oh, Little Mama." (RICHOLSON,VA) 6240, 11/1, 0340-0555, SIO=444. 1620 not hrd here. Assorted H'ween mx. Off w/ Dr. Who theme. (ALLINSON,NC) 6240, 11/1, 0343-0600, SIO=212. VG pgm. 1st annual b'day show. (GRACE,MA) 6240, 11/1, 0353-0419, SIO=222->111. Ghost noise. Hrd David Bowie's "Please Mr. Gravedigger." ID hard to copy. Mentioned that it was live bcst & gave list of songs. 0404 hrd mx by The Doors. Faded out. (BAXTER,KS) 6240, 11/1, 0354. Vy weak w/ RTTY stns on either side. Hrd ID "WKND," "attn shortwave listeners," & "commercial free radio." Max sig was S-6. (BISHOP,KS) 6240, 11/1, 0403-0600. Nicely done. H'ween special w/ sound effects, spooky mx & super S-10 sig. Solid audio & mx (Stones, Doors, etc.) (SACHS,IL) 6240, 11/1, 0538-0600, SIO=333. Radio Animal said had been on air for 2 hrs; probs w/ 1620 antenna. Special QSL for H'ween bcst. Dr. Who theme. (BARNARD,ONT)

**WRNR:** 7415.3, 11/1, 0427-0510, SIO=333. S/on as WRNR, rock n roll. Addr as Box 32, Hudson, NY 12520. Blues & rock mx. (ROSS,ONT) 6249.5v, 11/12, 0101-0119\*, SIO=333. Lynard Skynard & Joe Walsh mx. ID as "WRNR, Radio Rock and Roll." Addr given, but not good copy. PSE QSL. (ZELLER,OH in WV) 6250, 11/12, 0115-0119\*, SIO=414. Hippie mx. Mic very distorted & DJ talked too quickly. (GRACE,MA)

**WTHC:** 7414.1, 11/13, 0253-0257\*, SIO=333. One rock song hrd & OM ID "You've been listening to the super sick radio stn, WTHC, people hits



all the time." Good mod. No addr. PSE QSL. (ZELLER,OH)

WTNU: 7406.1, 10/28, 01121. Rock mx w/ possible live ads w/ OM listing mag phone #s & address for massage, phone sex, etc. Tasteless. Baltimore addr for QSL. Gave raspberry to FCC at end. (SACHS,IL)

WYMN: 7415, 10/29, 02151. Readings of 2 stories; mx. ID "WYMN, high voices and great significance." PSE QSL. (BISHOP,KS) 7412.1, 10/29, 0219-0307\*, SIO 333. H'ween oriented story and all feminist pgm w/ folk/country mx. QRM de RFM until 0251 from 7415.5. Hilo addr. (RICHOLSON,VA) 7412.1, 10/29, 0221-0308, SIO=222. ID at 0223 by YL. Stories read and Irish-type ballads. Talk hard to copy due to QRM. (BAXTER,KS) 7412.2, 10/29, 0231-0308\*, SIO 222. Started out strong, but faded quickly. Created severe hot between WYMN and RFM. Story abt old couple who lived in a secluded, wooded area. Just as I was getting interested, signal faded to 10% copy. 3 folk song by female artists. (PROVANCE,OH) 7412, 10/29, 0237-0307\*. Usual all female format. Halloween special w/ reading scary story. Folk songs. Hilo addr. (SACHS,IL) 7415, 10/29, 0245-0308\*, SIO=323. Hilo addr; testosterone free radio. (COLLINS,WI) 7412.1, 10/29, 0250-0307\*, SIO=444. Joan Baez. YL sung Irish jig hrd. Hilo addr. (ROSS,ONT)

WXZR: 7435, 10/26, 2330-2343\*, SIO=222. Electronic classical song: "Mars, the Bringer of War." End w/ "Outer Limits" promo. (GRACE,MA)

Zodiac Radio: 7416, 11/2, 0348-0421\*. Big band mx & Tangerine Radio rebcast. Strong plug for ACE. (PIERCE,CA) 7416.5, 11/3, 0309-0355\*, SIO=444. Ads for ACE w/ coverage of October issue. Presented "Caustic Comments" and Amos & Andy tape. Played Halloween sound effects & tried to talk over them. Wellsville NY addr for QSLs; anncd 6 different styles of QSL cards. Best sig from Frank Marauder yet - wish pgms were more interesting. (MCCRACKIN,CA) 7415, 11/4, 0215-0220\*, SIO=343. Tape of QSL info rptd several times. Urged listeners to tune to a test xmsn of KQRP on 7405 at 0230. Not hrd here. (KINGMAN,CA) 7416, 11/11, 0159-0211\*. Long ID only. (PIERCE,CA)

\*\*\*\*\* UNIDENTIFIEDS \*\*\*\*\*

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6306. 10/8, 0306-0332\*. Oldies mx. "Goodnight, Sweetheart," "Hey, Hey Paula," "Oh, Donna," etc. Beatles mx also. No talk or ID. Off in mid-song at 0332. (ROSS,ONT)  
7375.1. 11/1, 0005-0007\*, SIO=545. Guitar mx & immediate power off after mx. (RICHOLSON,VA)  
7404.3. 11/1, 0355-0357\*, SIO=454. Song (man's voice) w/ guitar mx; nothing else hrd. (RICHOLSON,VA)  
7406, 11/1, 0434-0454. Child's piano followed by song abt black cat. Mushy, unreadable ID. Hrd "Radio Free" and "Happy Halloween." (PIERCE,CA) [Probably R. Free Willy]  
7407. 10/28, 0309-0324, SIO=111. Mock anti-rock preachings followed by head banging metal incl "Welcome to the Jungle." (ALLINSON,NC)  
7407. 10/31, 2315-2348\*. Open carrier to 2225. 2330-2338 3 songs "Monster Mash," "Haunted House" & "Addams Family," which was cut short. Unclear annmnts between songs. Abrupt s/off. (BISHOP,KS)  
7414.9, 11/5, 0431-0433\*, SIO=222. Rock songs & unintelligible annmnts. (RICHOLSON,VA)  
7416, 11/1, 0508-0514, SIO=251. Country mx w/ QRM de UTE. (GRACE,MA)  
7466.9/7464.8. 11/5, 0334-0343-, SIO=212. Freq stable, but could not distinguish freq. OM "spokesman," song & piano mx. (RICHOLSON,VA)  
15010, 11/1, 0000-0008\*. On at same time as V of Abnormal. S/off at same time. Eerie H'ween sounds - NO IDs. PSE QSL & ID. (SACHS,IL)  
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#### PSE QSL ADDRESSES

\*\*\*\*\*  
Nick Grace, 40 Woodside Rd, Harvard, MA 01451.  
Terry Provance, 2530 Oakwood Ave., Zanesville, OH 43701-1948.  
Ira Richolson, 1600 South Eads St., Apt. 1030N, Arlington, VA 22202.  
Steven Sachs, 2720 Ft. Sheridan Ave., Highland Park, IL 60035.  
\*\*\*\*\*

Steven Sachs has a suggestion for all operators: It would be nice if ops remember that if you bcst during the week beginning at 2300 UTC or earlier - remember the time changes. At 2300 on the east coast, it is 6PM, but it is 3PM Pacific, 4PM Mountain and 5PM Central. Most of us are still at work. We don't want to miss your bcst!!

# How to pre-emphasize audio for the best possible reception

By Don Bishop  
P.O. Box 4075  
Overland Park, KS 66204-0075

Radio broadcasters who want to deliver programs over the widest possible area with the best possible sound make a heavy compromise in choosing shortwave AM. Virtually all AM receivers suffer limited sound reproduction. Moreover, shortwave frequencies are subject to static, noise, fading and interference. But shortwave offers enormous coverage--it carries signals across hundreds or thousands of miles.

Nevertheless, shortwave broadcasters big and small can improve audio fidelity their listeners receive by using a reasonable amount of transmitter pre-emphasis to boost the higher audio frequencies. Provided the transmitter is built or modified to pass about 100 Hz to 5,000 Hz audio, pre-emphasis overcomes the "muddy" or "bassy" sound that plagues so many shortwave AM stations.

For the best sound reproduction, nothing beats wideband FM, the modulation used by FM broadcast stations between 88 MHz and 108 MHz VHF. FM stations with maximum power and high antennas may cover more than 100 miles, though most have a much smaller reach. FM receivers cut off no "highs" in the sound. The secret to FM's high fidelity is a combination of transmitter frequency response that extends to 19,000 Hz and consumer receiver frequency response that nearly matches.

## Audio fidelity limit

AM stations using the 535 kHz to 1705 kHz medium wave standard broadcast band reach several miles to several hundred miles reliably, depending upon power, dial position, antenna design and stations sharing the frequency. AM stations may broadcast audio frequencies as high as 15,000 Hz until June 30, 1990, when the limit reduces to 10,000 Hz. (See Figure 1.)

Either limit, 15,000 Hz or 10,000 Hz, produces high-fidelity sound. Unfortunately, most medium wave and shortwave AM receivers only pass about 2,000 Hz of audio. This limit trims "highs" from broadcast sound. The reason designers make AM receivers this way is not without reason. Filters that trim "highs" also exclude interference and slightly improve weak-signal reception.

You can demonstrate the audio difference by switching back and forth between AM and FM stations. You'll notice greater fidelity on FM. Make the demonstration more dramatic by choosing a "combination AM and FM" station that broadcasts the same program on both dials. Remember, the audio limitation is in your receiver, not the AM broadcast transmitter.

Some consumer receivers reproduce AM stereo. Almost all such receivers use a wider filter to increase audio fidelity to 3,000 Hz or 4,000 Hz. That still is not "hi-fi" sound, but the difference is quite noticeable.

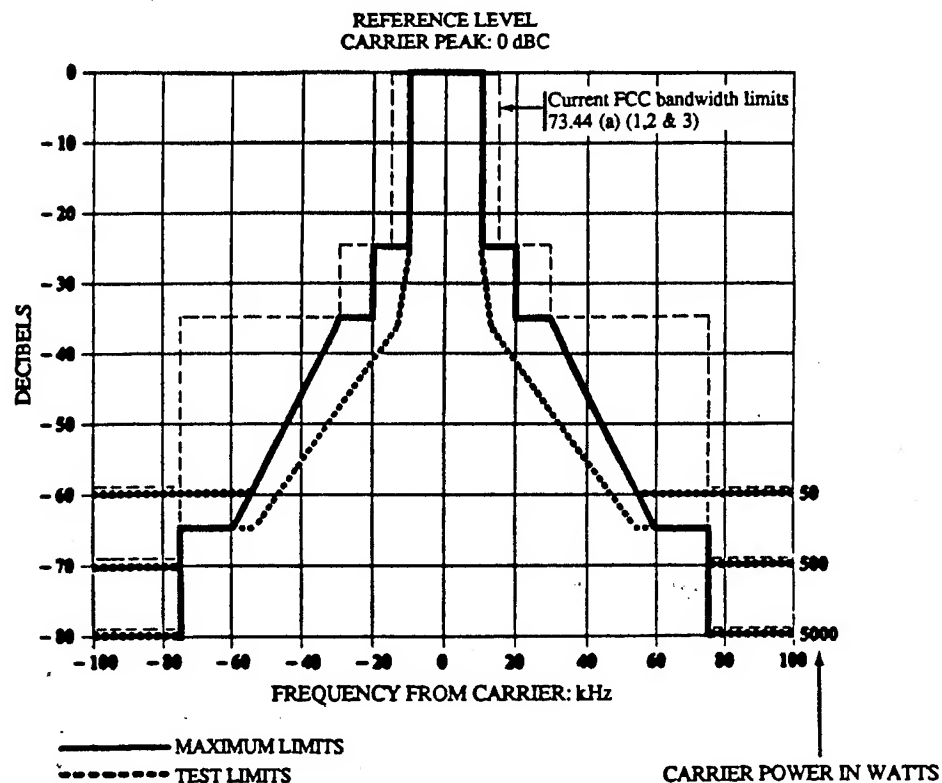


Figure 1. The NRSC-2 emission limitation for AM broadcast transmissions (EIA Standard IS-51). The current FCC bandwidth limit extends 15 kHz above and below the carrier, allowing 15,000 Hz audio to be transmitted. That limit drops to 10,000 Hz on July 1, 1990.

Some shortwave receivers include a wide filter for AM reception. The wide filter lets in more interference and noise along with the audio "highs." But if the signal is strong enough, the wide filter lets you enjoy better sound without including too much interference and noise.

The best AM receiver for hi-fi sound would reproduce all the highs that AM stations broadcast, up to the new limit of 10,000 Hz.

AM broadcasters know that few receivers pass much more than 2,000 Hz audio. To *force* some "highs" past receiver filters, they boost (pre-emphasize) transmitted audio at frequencies above 2,000 Hz. The approach is somewhat successful. Stations that use pre-emphasis force a certain amount of higher-frequency audio past receiver filters.

Although many AM broadcasters use a pre-emphasis curve such as the one shown in Figure 2, most of the pre-emphasis applied above 2,000 Hz or 3,000 Hz is wasted because few receivers have filters wide enough to receive audio "highs" above those limits. Moreover, pre-emphasis above 5,000 Hz or so has a negative effect. It extends the signal into dial positions above and below the station's assigned frequency.

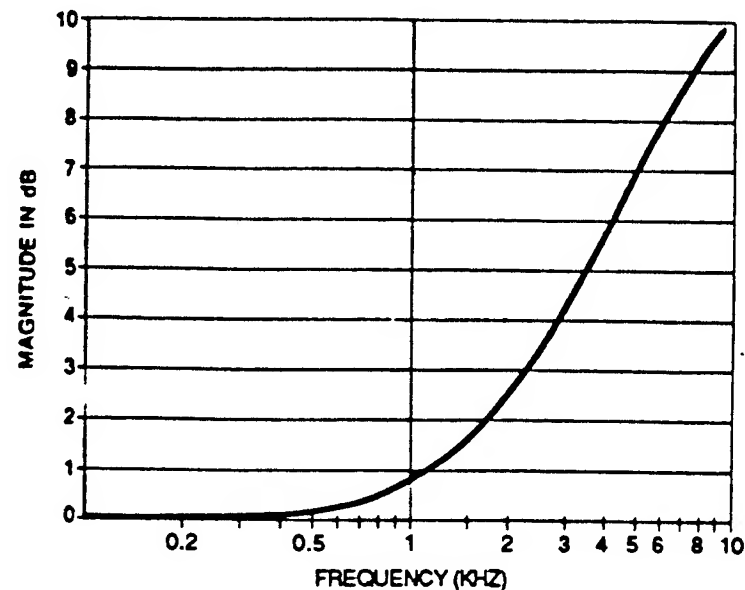


Figure 2. The NRSC-1 pre-emphasis curve shows how much to boost the higher audio frequencies, all the way up to 10,000 Hz. Remember, though, that most receivers trim the audio 'highs' above 2,000 Hz or 3,000 Hz.

Most AM broadcasters use complex circuitry that processes audio in several ways and includes pre-emphasis. But pre-emphasis can be applied on a low budget by using an equalizer. Figure 2 is a setting guide. If your equalizer is calibrated in decibels, set its knobs to correspond with values shown in the graph. For example, low-frequency knobs are set to zero or center. Other knobs are set as follows:

AUDIO FREQUENCY	KNOB SETTING
1,000 Hz	1 dB
2,000 Hz	2 dB
5,000 Hz	7 dB
10,000 Hz	10 dB

Photo 1 shows an equalizer set with a similar pre-emphasis. Many unmodified shortwave "amateur" transmitters pass little audio above 3,000 Hz. Audio circuit modifications might extend that range to 5,000 Hz. A range much higher is mostly wasted, so the 10,000 Hz equalizer setting actually does not matter much. It could be set to zero or -10dB, just to prevent unnecessary high-frequency audio from being fed to the transmitter.

Place the equalizer between the control board or tape recorder output and the transmitter input. Results are best when the transmitter audio circuit has been adjusted or modified to pass all audio



Photo 1. This equalizer is set to boost audio by 2 dB at 2,000 Hz; 4 dB at 5,000 Hz; and 8 dB at 12,500 Hz. The 12,500 Hz setting might just as well be zero or -8 dB, because few AM receivers pass such high frequencies. But a 4 dB to 7 dB boost at 5,000 Hz helps to force some audio 'highs' past narrow receiver filters.

frequencies from low bass to high treble without any "unknown equalization" of its own--in other words, a "flat" response.

When you listen to AM broadcasts with a typical receiver, you hear the unusable, pre-emphasized audio energy as you tune your receiver to one side or the other of the carrier frequency (the center of the signal). When music is being played, audio energy above and below the channel center sounds like splatter. "S" sounds from spoken words also sound like splatter. Actually, the energy is not splatter. Rather, it represents audio "highs" that most AM receivers cannot reproduce.

#### Hi-fi AM receiver

A receiver with a filter wide enough to accept 10,000 Hz audio reproduces sound that rivals FM--provided the signal is strong enough to override noise and interference. At least one manufacturer, Denon America, Parsippany, NJ, produces such receivers for standard AM.

These new receivers incorporate a "de-emphasis" circuit that "turns the treble back down" from the boosted audio highs broadcast by the transmitter. You can see in Figure 3 that the de-emphasis curve is a mirror-image reverse of the pre-emphasis curve. Without de-emphasis, the audio would sound tinny on a receiver that accepts AM sound up to 10,000 Hz. Older receivers, remember, clip the audio at 2,000 Hz to 3,000 Hz, so they do not sound tinny when receiving pre-emphasized audio.

The new audio transmitting scheme was formulated by a joint committee of the National Association of Broadcasters (NAB) and the Electronic Industries Association (EIA.) The joint committee is called the National Radio Systems Committee (NRSC). The pre-emphasis curve for transmitters is called NRSC-1; the de-emphasis curve for receivers, NRSC-2. According to NAB engineer Stanley Salek, the new pre-emphasis circuit has been installed by an estimated 2,000 U.S. AM broadcast stations, out of approximately 5,000 licensed. The FCC adopted an "RF mask" as a standard that approximates the pre-emphasis curve.

Currently part of the Denon line are several tuners and receivers that reproduce AM audio to 7,500 Hz and that use the NRSC-2 de-emphasis curve. Denon executive vice president Robert

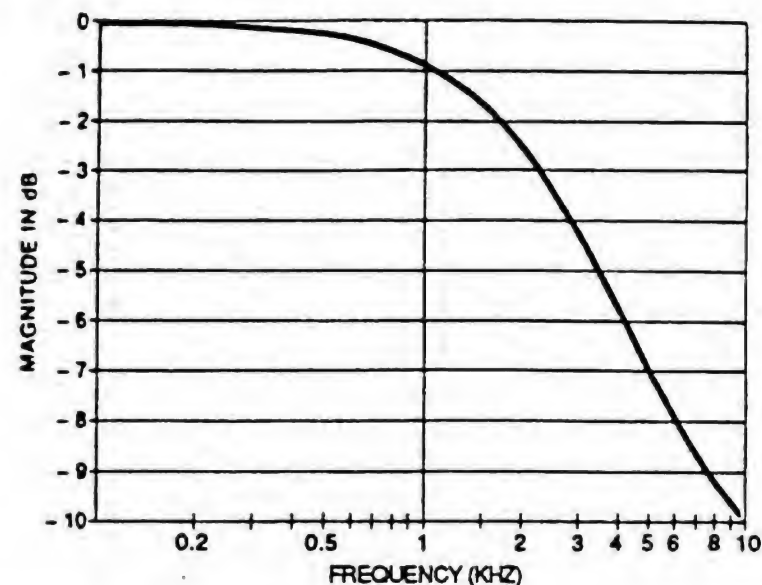


Figure 3. The NRSC-2 de-emphasis curve shows how much receiver manufacturers should reduce higher audio frequencies to compensate for the boost provided by NRSC-1. But the de-emphasis only applies to receivers with wideband (20 kHz IF or 10 kHz audio) filters. That excludes most receivers made today, except for a few made by Denon America.

Heiblim said that after Jan. 1, the company will offer tuners with 10,000 Hz AM audio response. The tuners will include a wide-narrow switch to allow users to select a narrow filter that excludes interference when signals are not strong enough to use the wide filter.

Medium wave AM receivers with wide filters and NRSC-2 de-emphasis promise to restore high fidelity to standard AM broadcast reception. Similar improvements are not planned for shortwave receivers. The reason is because shortwave stations use frequency assignments only 5 kHz apart with no interference protection, as opposed to 10 kHz spacing and a certain amount of interference protection for medium wave AM stations.

#### Reception tip

Similar equalizer settings to those shown in Figure 2 can be used with great success to improve AM reception fidelity when the receiver has a moderate-to-wide filter, the transmitter audio is not pre-emphasized or both. When you use a receiver with a wideband filter to tune a pirate or other AM station not using pre-emphasis, improve the sound by feeding it through an equalizer set according to Figure 2. This method works well when the signal is strong. Otherwise, it boosts too much noise and adjacent-channel interference.

When you use a receiver with a moderate bandwidth filter, the equalizer improves audio fidelity even if the station you tune has pre-emphasized audio. Using the equalizer with a narrowband receiver offers virtually no improvement because not enough audio 'highs' reach the equalizer for it to boost. Therefore, it usually is better when pre-emphasis is applied at the transmitter.



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 \*\*\* an A\*C\*E Special Feature \*\*\*  
 \*\*\*  
 \*\*\* THE DIRECTORY \*\*\*  
 \*\*\* edition 13 \*\*\*  
 \*\*\* by John T. Arthur \*\*\*  
 \*\*\* (C) Dec. 1989, all rights reserved \*\*\*  
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These are the known mailing addresses of active and planned North American Free Radio stations, revised to 19 November 1989. MW and FM frequencies given where known.

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 KEY:  
 \* = also on shortwave  
 ? = existence questionable  
 BC = Broadcast/Broadcasting  
 R = Radio  
 RF = Radio Free  
 Int'l = International  
 Svc = Service  
 Vo = Voice of  
 Vot = Voice of the  
 WW = Worldwide  
 -----

443 Sheridan Rd Dept A, Waukegan, IL 60085:  
 R Stardust Int'l

3434 North Pacific Highway, Medford, OR 97501:  
 FR One

Monticello, ME 04760:  
 R Newyork Int'l

TAGAR, Room 256 Union Bldg, Stony Brook, NY 11794:  
 United World R, Vo F Long Island

Box 140, Toronto, ONT M1L 1B1:  
 CCAT, COAX, Canadian Club R?

Box 142, Cottekill, NY 12419:  
 WJDI-1620

Box 314, Clackamas, OR 97015:  
 Vo Tomorrow-1616\*

Box 452, Wellsville, NY 14895:  
 KCCR, KFAT, KMUD, KNBS, KROK, KXVN-830//92.7, Lazer 95, Plan 9,  
 R Contraband, R Emerald Forest, R EXP, R Garbanzo, RF Mumbo-Jumbo,  
 R North Coast Int'l, R USA, Secret Mtn Lab Ltd, Toynbee R,  
 Vo Aphrodite, Vo Bob, Vo Fubar, Vot Golden Eagle, Vo Lester,  
 Vo Laryngitis, Vot Rainbow, 74-WKUE, WQTU-1620\*, WYMN, Xray R,  
 Zeppelin R WW, Zodiac Radio, *WLAR, ACTION RADIO*

Box 628, Slanesville, WV 25444:  
 Howdy Doody R, KRUD, Midnite R, One More V From America R, R  
 Chesapeake Bay Int'l, R Comedy Club Int'l, R Flatulence, RFM, Vo  
 Epileptic Catfish, Vo Monotony, Vo Stench, WCPR, WENJ, WHIP, WKND,  
 WKZP, WOMB, WPUB, WXZR, *RADIO MEXICO, Vo of Free Radio Indiana*

Box 1133, Valleyview, Alberta T0H 3N0:  
 Maple Leaf R?

UPO Box 3114, Kingston, NY 12401:  
 Offical R, Pirate R Network, R Clandestine, R Morania, R No, Vo  
 Communism, WART

Box 3751, Chatsworth, CA 91313:

KREC?

Box 5074, Hilo, HI 96720:  
 -- use Box 452, Wellsville, NY 14895 --

Box 6527, Baltimore, MD 21219:  
 East Coast Pirate R, Secret Society R, WTNU

Box 23792, Phoenix, AZ 85063:  
 Fantasy BC Stn, FNTC-101.3

Box 40554, Washington, DC 20016:  
 Black Box R, Pirate R New England-1616\*, R Angeline, R Espirito,  
 R Lymph Node Int'l, R Ohm, The Crooked Man, UA Express, WBNY,  
 WBST-666\*, WWW

... ..

In contacting a free radio station:

Whenever an address is announced, use it. If no address is announced use the address listed here. In a pinch, write to one of the primary maildrops but don't hold your breath.

Do not expect a 'drop to pay for your QSL; enclose adequate postage (three mint first class stamps) for forwarding and reply. Do not send a SASE unless specifically requested by the station. Outside USA send two or three IRCs; if no IRCs are available, send a dollar or two.

Announcing a maildrop is not a guarantee of response; don't blame the 'drop if you never hear from the station. 'droperators are not QSL Managers, they only handle mail. Broadcasters should keep their promises.

Avoid asking about location; it's a dumb question that Operators only answer to mislead correspondents. Most, however, will answer questions about power or equipment, and appreciate your technical observations, bandscans and cassette recordings.

... ..

If you operate and desire audience contact, use a maildrop for some security. The open 'drops are:

Box 452, Wellsville, NY 14895  
 Box 628, Slanesville, WV 25444  
 Box 1087, Sun Valley, CA 91352  
 Box 2112, Johnson City, TN 37605  
 Box 5074, Hilo, HI 96720  
 Box 6527, Baltimore, MD 21219  
 Box 40554, Washington, DC 20016

Write for details before using any address.

Operators and listeners are requested to confirm activity and address information for periodic updates of The Directory. Write to:  
 RD# 1 Box 15A, Belfast, NY 14711.

Thanks to Kirk Baxter, Arthur G. Pym, Don Spooner, Andrew Yoder and George Zeller for assistance compiling this list.

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# Veried Response

John T. Arthur, proprietor  
RD #1, Box 15A  
Belfast, NY 14711

...with a little help from my friends and Staff Reporters Mark Pierce and Bud Wooten. VR is electronically transmitted to A\*C\*E Hdq on or before the 24th of each month. Please send your input and comments to the above address or leave them in the [P]ersonal Mail section of the ANARC TBBS prior to the 18th. Your active participation in the form of reports, suggestions or constructive criticism is solicited.

What's News:  
the media report

Those looking for equipment could do a lot worse than looking in the Ham Traders Yellow Sheets. This bi-weekly publication is all ads by people just like you and me, offering for sale or looking for gear. There's something old, something new, and something for you, too. The price is even reasonable, one year (24 issues) for only US\$15, \$17 in Canada and Mexico. Write to: HTYS, PO Box 2057, Glen Ellyn, IL 60138. [direct]

An update on "Free Air!". Derby Luncheon has moved since we listed his booklet in VR. The new address is: 75 Danforth St #2, Portland, Maine 04141. If you're tired of the pabulum and drivel that most licensed stations shove down your throat, send Derby \$1.50 for his pamphlet. [via Mark Pierce]

This is (almost) last call! There are only a handful of copies of the revised First edition Free Radio Handbook left, and it may not be reprinted since work is progressing on Vol 2. This 20 page booklet can and will give you some of the basic details of Operation, and some essays about the necessity of Free Radio. It's only US\$2 while they last from : DVS, Box 452, Wellsville, NY 14895.

support your club...say you read it in The ACE

Off the Wall....  
the rumor center

Zodiac Radio has begun to send out their very nice QSLs. Notice in the report section that several West Coast members have received their beautiful gold-embossed cards. Moreover, Frank Marauder sez that they have six different colors available - and if you can collect all six of them he'll renew your A\*C\*E membership for a year! Now that's a concept I can live with. Too bad I haven't heard them yet. Their signal has been heard (weakly and tentatively) as far East as Minnesota, however, so don't give up. Frank has also cut back on the transmissions, so they're more of a DX catch these days. And, they have already relayed Radio Garbanzo and Tangerine Radio, with more to come... We noted with interest Don Bishop's "Letter" last month, and truly appreciate his research and interest. However, if WSHB's sidebands extend only "4.5 kHz above and below the carrier", I'll eat my Kenwood, without even ketchup! I have personally noted them slopping over onto WRNO on 7355, which is 10 times that bandwidth, and they are frequently noted at this QTH splattering as high as 7500 kHz. And George Zeller has measured it (at least) +/- 20 kHz with his NRD525 using 1.9 kHz Collins filters, and has SEEN it on an Icom R9000 at Universal SW in Reynoldsburg, Ohio. Ohio isn't even in WSHB's primary beamwidth! I suggest that their Mr. German reduce modulation to the finals and make a lot of listeners happy. And a rhetorical question: why in hell does the Monitor need TWO East Coast sites, let alone one with an ERP of 50 million watts that is effectively blocked by Radio Moscow for the entire broadcast? Just thought I'd ask. Do YOU know anyone who listens to them?.. Of course, now we have another crappy signal to content with: WWCR on 7520, of all frequencies. Fortunately, they seem to do a lot more

talking (about nothing), but they also add to the splatter and intermod that's ruining 41 meters. Doggone it, we just get rid of one signal and another pops up to take its place... Word is that DVS will be closing the Hilo, Hawai'i, maildrop when the rent comes due next April. All reports for stations announcing that Box should be sent, instead, via Wellsville, NY... And Andy, I think WBRI uses 7490 because they're a little smarter than all the clones that stick to 7415 and because it's a much clearer frequency. Just what makes you think that they are involved with a CW #s station which may be in Havana? The fact that they sometimes play Caribbean music and announce a Northern Hemisphere service? Get real...

## A\*C\*E QSL Scoreboard

Revised: 18 November 1989

KEY:  
NAM= North American Pirate QSLs  
dif= # different stations represented  
Eur= EuroPirate QSLs  
tot= total Pirate QSLs (NAM + other)

name-state	NAM	pirates		tot	cland		Best QSL
		dif	Eur		dif	tot	
J Arthur-NY	75	43	1	76	1	1	SML-7412
R Biggs-TX	21	18	1	22			
J Block, Jr-WI	27	18		27			
W Craighead-KS					31		
J Friberg, Jr-NH	14	12	1	15	3		
N Grace-MA	21	15	1	22	1	1	RUSA-7415
K Hill-NY	31	27		31			
M Kropf-WGermany		48	56	56	6		
W Martin-DE	63	44	4	67			
G Mendyk-IL	15	12		15			
S Paszkiewicz-WI	13	11	2	15	3		
S Reinstein-FL	34	25	4	38	25		
S Rogovich-VA	8	6	1	9			
D Schmidt-DE	6	6		6			
F Serve-France		58	66	66	6		
H Short	1	1		1			RFM-7400
C Smolinski-MD	29	26	3	32	2		R Confusion
J Talbot-AB	21	17	2	23			
M Twigg-MN	23	18		23			
P Walkendorf-MI	46	34		46			
M Wegner-TX	6	6		6			
B Wooten-GA	6	6		6			
A Yoder-WV	59	39	2	61	1		
G Zeller-OH	75	59	3	78	5	5	VoL-15050

Send your QSL totals to: VR, RD#1, Box 15A, Belfast, NY 14711  
or leave them in the [P]ersonal mail section of the ANARC RBBS.

\*\*\*\*\*  
+++ under the door +++  
\*\*\*\*\*

QSL report for: December 1989

NOTE: a few words on how this thing works are in order. I handle some reports with notes attached, asking me to list any QSLs the reporters get as a result of their reports in this column. Unfortunately, some Operators send their QSLs out thru other addresses and most of them send their QSLs pre-packaged, so I have no idea what QSL you may be getting - or IF you're getting a QSL at all. Obviously, you must send a report to me for inclusion in Under the Door. Thank you.

Massachusetts member Nick Grace joins the crowd with a full data "open season" sheet (#33) from Radio Garbanzo - 7412 signed by Fearless Fred in 111 days via the Hilo Box, and a full data "studio"



card, Caroline bust info, pennants and a personal letter from Weekend Music Radio - 15040 signed by Jack Russel in 19 days. [that guy just gets faster and faster! jta]

Ontario member Robert Ross chimes in with a full data "hip cat" card (#3) from WHIP - 7395.5 signed by Les Beard in one month, a full data yellow "studio" card from Weekend Music Radio - 15043 signed by Jack Russel with the usual extras in one month, and a full data card from WHOT - 1628 signed by Hank Hayes in two months for an August 1986 reception - which came with a whole bunch of goodies.

Pennsylvania member Richard D'Angelo papered his walls with a full data card from Voice of Tomorrow - 6240 in 110 days, a full data "high voltage" paper card from WKZP - 7415 signed by Sparky in 53 days, a date and frequency only gold embossed certificate from Free Radio One - 7415 in 47 days, a full data personal letter from Radio Clandestine, Radio Morania and PRN - 7415 and 7355 signed by (who else) RF Burns in 145 days, and a full data "skull & crossed bones" sheet (#15) from East Coast Pirate Radio - 7415 signed by N Tesla in six days following a report in DiaLogs.

North Carolina member Gregg Allinson chimes in with a full data xmtr photo card from WBST in three days, a two full data blue sheets from PRN for Radio Morania - 7413 and Radio Clandestine - 7413 signed by RF Burns in 68 days giving him PRN's #1 SWL status (#2), a full data computer generated skull and crossed bones sheet (#18) from East Coast Pirate Radio - 7442.2 signed by N Tesla in two days, a full data card from United World Radio - 7415 signed by Harrison Bergeron in 46 days, and a full data "modern studio" card from Weekend Music Radio - 15043 signed by Jack Russel in 24 days along with several stickers a R Caroline update and a personal letter.

Ohio columnist George Zeller got beastly with a full data card featuring a photo of a transmitter from WBST - 666. Sez data was handwritten on the back in blood, but no signer, and a full data "skull & crossed bones" sheet from East Coast Pirate Radio signed by N Tesla in 12 days. [WBST card #13...? jta]

Nevada member Rian Raleigh managed his first pirate QSL from Zodiac Radio signed by Frank Marauder in 68 days.

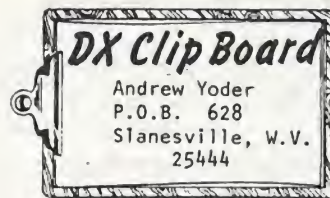
California member Pat Kingman nailed down a full data gold on silver card from Zodiac Radio issued by Frank Marauder in about four weeks.

California member Mike McCrackin got his first pirate QSL: a full data gold on silver oversized card from Zodiac Radio - 7423 issued by Frank Marauder in 47 days. [they are nice cards, yeh? jta]

California Staff Reporter Mark Pierce also received a full data gold on silver oversized card from Zodiac Radio in about 65 days.

And ye olde editor eked out three various yellow full data cards (#120, 122 and 124) from Radio USA - 7417 and 7407 signed by Mr Blue Sky in 25 days for a three page report containing a lot of begging (my 3rd, 4th & 5th QSL from them), a full data "trial" card (#4) from WXZR - 7435 signed by QSL director Klaus Kinski in 11 days with a poster and a special Styrofoam Award, a full data computer generated skull and crossed bones sheet (#10) from East Coast Pirate Radio - 7415 signed by N Tesla in 10 days, a full data tan cannabis fiber card (#55) from KNBS - 7411 signed by Phil Muzik in 18 days with pennant, a full data photo "hear no evil" card (#196 !!) from the Voice of Laryngitis - 7435 and 15016 signed by Cowboy Stanley in 21 days (my 6th from them), and a full data card (#1) from Voice of Monotony - 7435 signed by Uncle Salty in 15 days.

Best of DX, Happy Holidays and we'll see you next year! 73...



Howdy from West Virginny! Thanx to all of you who've written and or called in with information, comments, or "just for grins." I really appreciate all the help I can get.

I've gotta throw in a good plug for the classic DXsession. If ya get a chance, meet with some pirate radio listeners in your area for a nite, weekend, a few hours, or whatever. It can really be a great time, exchanging

stories, looking at each other's QSLs, listening to tapes, etc. Try it sometime. And if ya dont know anyone in your area, put a classified in the ACE. And if all that fails, go to the SWL Winterfest in Lansdale, PA this year. I've heard some ACers'll be there...

By now, some of you have Radio Clandestine t-shirts (Yes, they're finally in). Those of you who dont can still get one (or more) for \$8.50 from me at the above address. Remember to ask for one for Christmas; they're a great gift idea. Talk about holiday commercialism...

I'm not sure about more Eurotests yet. I know some will be testing, but I don't know when. I found out late about tests from Radio Gemeni, and Radio Waves Int'l. I guess around the holidays should be great times to check for the Euros (especially 6200-6320 kHz). Good luck!

\*\*\*\*\*  
Activity May Be Renewed in Old Band  
\*\*\*\*\*

Last used with any regularity almost a decade ago, the old 6800-6950 kHz range may become active again. Four stations, Radio Garbanzo, Radio Chesapeake Bay Int'l, Voice of Monotony, and WVOD either have made broadcasts in this range or plan to do so in the near future.

Interference from legal U.S. stations and numbers stations has prompted a number of pirate operators to begin searching for other bands to broadcast in. This frequency range is a prime spot since most transmitters (amateur) easily tune up there, the crystals are relatively easy and inexpensive to purchase from hamfests, some channels are normally clear in the range, and a few pirates used to operate here.

Although some of the other older "pirate bands" might have seemed like better replacements for 41 meters, another range was considered by most to be necessary. 15000-15100 kHz (19 m) is great for long-distance reception, but anyone else within hundreds of miles of the transmitter can't receive the program. 6200-6300 kHz (48 m) is filled with legal, high-powered broadcasters and dangerous ship calling channels. And, the last big, new pirate band, 3400-3500 kHz just never panned out. After RNCI's famous Halloween program on 3440 kHz, interest (as well as propagation) in the band dropped out.

With the FCC monitoring 41 meters, especially 7415 kHz) some operators have found the range especially appealing. Fearless Fred from Radio Garbanzo isn't intimidated by the smaller audiences. "With less FCC monitoring, we can afford to make a few more broadcasts."

The Voice of Monotony made no plans to broadcast in any particular range; they just happened to find a few cheap 43 meter crystals. So, I don't know if Uncle Salty will remain in this band or if he will drop it for 41 meters if he can find the proper crystals.

Between 1979 and 1983, the frequency range was used exclusively by WARG, WONS, Radio Galaxie, Voice of the American Revolution, Radio Harmonica and Radio Paradise International. Other stations to use the range during this time were: Voice of Venus, Radio Indiana, WPOT, the Voice of the Voyager, KCFR, and WCRS. Needless to say, the band was often active about 9 years ago.

Since propagation on this band is nearly simialr to 41 meters, stations broadcasting here should enjoy good to copyable reception from the transmitting location to 500-1000 miles away.

\*\*\*\*\*  
Relays May Help New and Old Stations  
\*\*\*\*\*

Suppose one night youre sitting with your friends talking about radio. Someone starts going on and on about how HE'd like to set-up his own station. He'd play the music he likes, throw in some funny, stupid skits and say "hi" to his friends on the air all the time.

But, no one has a transmitter, so the idea dies. A few years later, one of the guys becomes a ham and everyone says "wow, now we've got the equipment...too bad we can't go on..."



Your loggings and information on clandestine radio stations are always welcome for this column. You can send them to your editor at 3492 West 123rd Street, Cleveland, Ohio 44111. Or, you can call (216) 941-3366 anytime, or else (216) 696-9077 on weekdays between 1300-2145 UTC.

#### ANTI-CASTRO CLANDESTINE PROGRAMMING RETURNS VIA RADIO CLARIN RELAY

We have some hot late-breaking news this month. In the October 1989 issue of his Clandestine Confidential newsletter, Gerry Dexter predicted that the Cuban American National Foundation would buy time on Radio Clarin, the licensed MW and SWBC broadcaster in the Dominican Republic, for the broadcast of anti-Castro clandestine programming. (In the past, Radio Clarin relayed programming from the La Voz del CID network for a few years). Gerry's information source indicated that the deal was contingent upon a frequency move by Radio Clarin from its longtime spot on 11700 KHz, which has been plagued by poor signals and QRM in the past, to a clearer 9950 KHz channel. The FCC-busted Florida-based La Voz de Alpha 66 has also reportedly explored the possibility of buying relay time on Radio Clarin's shortwave service.

Gerry's speculative prediction is no longer just a rumor. Radio Clarin has in fact begun an evening transmission on 9950v KHz. Since this move took place right about at the time for this month's column deadline, our information is preliminary. But, on November 13 I heard Radio Clarin on 9949.8 KHz from 2315-2330+ UTC. Programming consisted of regular Clarin fare (probably // to their 850/860 KHz MW service), including upbeat Latin music, an in-studio news discussion with two male announcers, futbol (soccer) sports news, and an ad for the Bank of Mexico (sic). A clear ID at 2330 mentioned Radio Clarin, Radio Puerto Plata (on 900 KHz MW), and three other Dominican Republic domestic MW stations, presumably linked in a network with Radio Clarin. This broadcast may have been a test of the new Clarin 9950 KHz transmitter. It was well heard here in Cleveland.

On November 18 I heard anti-Castro programming from this new station. Between 0130-0200\* UTC using 9950.03 KHz (measured carefully on my NRD-525), they broadcast a long anti-Castro speech by a reasonably calm man, with crowd applause and laughter from his audience. Cuban folk songs preceded an upbeat brass band song rendition at 0200 UTC. A female announcer gave an ID announcement over this anthem, which included two mentions of "La Voz de la Sendacion." Despite several listenings to my tape, the spelling (and English translation) of "Sendacion" is still in doubt- can anybody help here? After a few minutes of dead air, a sports program followed. This sounded like play-by-play coverage of "biesbol" from the Dominican Republic winter league, but I did not recognize any of the players' names. At 0257 the game cut away abruptly, and was replaced by a seven minute relay of the MW station Radio Punto (1250 KHz) in San Francisco de Macoris. At 0304\* UTC, Clarin signed off.

The November 18 transmission was heard while the WWV K Index was 5 during a major geomagnetic storm, and it came in with a fluttery SIO=343. It was subject to slight splatter interference from La Voz del CID on 9941.7 KHz. Terry Kreuger of Florida reported this same transmission with a local quality SIO=555 signal. The new clandestine relay is very fresh news, and it is well worth checking out! (CID's 9941.7 KHz channel is still // 7380 KHz, per an October 8 log of their Radio Camillo Cienfuegos program by Bob Ross of Ontario. The lineup of CID on 9941.7, Clarin on 9950, and Radio Caiman on 9965 is at least curious. Three anti-Castro clandestines are bunched together at the high end of the 31 meter band!)

While we are on the subject of anti-Castro clandestines, a brief follow-up to last month's CID and Caiman QTH speculation is in order. A second reliable (though anonymous and unconfirmed) source says that both CID and Caiman have been DF-ed to Guatemala, and that they appear to be using converted ICOM amateur transmitters. This same source speculates that Clarin may be using similar transmitting equipment on 9950 KHz, and that it is unlikely that they converted their old 11700 transmitter to 9950. Jeff White, during his stay at Radio Clarin a few years ago while he worked with Clarin and Radio Discovery, had reported that the 11700 Clarin transmitter was balky and troublesome- it gave Jeff no end of problems.

#### RADIO VENCEREMOS AND THE EL SALVADOR CIVIL WAR

Another big story has broken right at column deadline time. The FMLN military offensive in El Salvador's major cities has been a lead story in the USA press for several days. As I write this on November 18, the offensive appears to have been largely unsuccessful. It seems to have failed to generate either widespread popular support for the FMLN or political turmoil in the El Salvador government, with the exception of the major international investigation of the assassination of 6 Jesuit priests by either government troops or right wing death squads in San Salvador.

Early speculation in the USA press has suggested that the FMLN may have feared possible future cuts in their Soviet and Cuban support, given glasnost, perestroika, and the astounding sudden collapse and/or major reform of communist governments in countries like Hungary, Poland, Bulgaria, the German Democratic Republic, and even the Soviet Union itself. Hence, the FMLN planned the current military offensive in El Salvador. Its tepid accomplishments so far may turn out to be a significant blow to the FMLN, but this remains to be seen.

Radio Venceremos has been widely quoted in the American press during the offensive. Bob Brown of Pennsylvania pulled in their evening program on November 8 on 6339.6 KHz from 0121-0139\* UTC. The usual political show (in Spanish) was ended by a female with a sign-off announcement and church chimes. As reported last month in this column, Venceremos' old 6550v KHz frequency range moved down at least 200-300 KHz about 6-8 weeks ago.

I heard another unconfirmed report from a very reliable source that Radio Venceremos and Radio Farabundo Marti are coordinating their broadcasting operations during the FMLN military offensive. Does anybody have logs to confirm or refute this?

Mark Pierce of California sends a very interesting clipping from the November 20, 1989 issue of Insight magazine that discusses a proposed part of Radio Venceremos' FM network from transmitters inside El Salvador. The article, bylined October 22 from San Salvador, says that a plan has been uncovered to install a Venceremos repeater on the National University Faculty of Science and Humanities building. The equipment, allegedly already in storage in the university's Faculty of Medicine and Law building, is said to consist of "an amplifier, a cassette deck and a turntable." Curiously, the article does not refer to an actual FM repeater or translator transmitter. The Swedish Workers Union allegedly financed this "repeater," which had plans for sign-on in early November (which, coincidentally or not, coincided with the FMLN offensive). El Salvador Treasury Police arrested Elmer Wilmer Cerna Jimenez on weapons charges, and Jimenez "disclosed" this "plan." The article identifies "the terrorists' clandestine radio station Radio Venceremos ("We are winning"), popularly known as Radio Mentiremos ("We are lying")." NOTE: These perjoratives are from the article, not from Mark or your editor).

Mark also reports that he is continuing his search for the review of Lawrence Soley's clandestine book that we mentioned in the November A\*C\*E.

#### BOB ROSS IRANIAN LOGGINGS AND QSL'S

While things are obviously jumping on the Western Hemisphere clandestine front, we still have plenty of station activity from elsewhere in the world. A\*C\*E's Ontario clandestine expert Bob Ross checks in with some nice Iranian station data. He heard Iran's Flag of Freedom Radio using 15560 KHz from 0500-0515 UTC on September 4. (I omitted this log from last month's column by mistake- sorry Bob!) He noted patriotic songs, march music, and OM/YL talks in Farsi with plenty of mentions of Iran and (the now deceased) Khomeini. This month, Bob reports that a QSL for this broadcast arrived in four weeks for mint stamps to Dr. Manouchehr Banji (v/s), Secretary General, Derafsh, 20 Rue de Condorcet, 75009 Paris, France. Bob also received a personal letter and station information. Congratulations on another good one, Bob!

Bob also reports a fascinating but unfortunate non-QSL in three weeks for \$1.00 US from Radio Iran Toilers for a transmission on 10870 KHz. He got a "letter from John Takman, M.D., advising he was the maildrop for the Tudeh Party of Iran... He didn't think I would receive a reply from Radio Iran Toilers, as they work under difficult and dangerous conditions. He said he would forward my letter to "the (formerly-ed) secret address of the Iranian comrades" VIA Box 49034, 10028 Stockholm, Sweden." We shall see!

#### VOICE OF DEMOCRATIC KAMPUCHEA

Bob Ross also checks in with our only Asian clandestine log this month. He had the Voice of Democratic Kampuchea on September 29 with a fair signal using 17533 KHz between 2350-0005 UTC. Bob heard OM/YL talks, with many mentions of Kampuchea, but with no mentions of Cambodia. They played march music at 2358. Bob speculates that the transmitter for this one is in China.

#### RADIO PATRIA LIBRE

The fascinating ELN-sponsored Radio Patria Libre continues its anti-Colombian government broadcasting activity. Bob Brown hauled them in with a fair signal on November 8 between 0035-0115 UTC on 6747 KHz. Bob says that their usual programming of OM/YL exchanges was supplemented by some interesting guitar/flute music. We unfortunately still have no address for this station, or for the ELN. Does anybody have any ideas?



Harry L. Helms AA6FW  
7445 Andasol St.  
San Diego, CA 92126

## The "Short and Sweet" Edition of COVERT CORNER

This month's column is a bit short. My apologies folks, but I can only print what you submit. I've been traveling a lot on business recently (particularly the WESCON and COMDEX shows) and my own listening time has been limited. Remember, all future numbers stations material should go to Havana Moon. I've included some of my recent numbers stations logs here, but only because I don't have time to send them directly to HM.

I got a letter from George Zeller reporting a pirate packet radio net on 27540 kHz. As George put it, "As A\*C\*E interests go, this has it all. It's pirate, it's utility, it's illegal, and it's there." He noted it most recently at 1920 on 10/29, all in English with phony calls such as IPG05, 34CW01, 1AJ101, and HOL1AA. 1AJ101 was attached to a BBS run by "Pepe," who gave his address as P. O. Box 1011, Guayaquil, Ecuador.

George reports he has been tuning the higher ranges quite a bit and has run across several illegal quasi-CB nets. One George noted was "the gay channel" (as one operator called it) on 26758.8 at 0100 on 10/30. George said it consisted of several obscene QSOs re such topics as masturbation and blaming the recent San Francisco earthquake on gays. Well, George, *maybe* he was right.

Sharon Latherow of Virginia reports some funny business on 7445, particularly at 0052 on 10/28 in the USB mode. She writes, "I swear this is a 'sister station' to 10125 USB. YL says 'Kilo Fafa (probably Papa) Alpha Two' over and over. This is the same voice that says 'Charlie India Oscar X-ray Two' on 10125! The transmission on 7445 ended at the same time as the one on 10125. Sometimes other random phonetics are transmitted too, but I can't pull them out! I've previously logged the same message on 7445 on 9/23/89 at 2319, 10/6/89 at 0018, and 10/14/89 at 0021."

My own loggings include "819 819 819 00000" repeated by a YL in English on 7639.7 from 0530 to an abrupt end at 0536 on 11/7; no number groups were heard. On 11/8 on 6920 at 0627, I tuned into five-digit Spanish number groups in progress. Signals were very strong, peaking at +20 dB over S9, but were clearly skywave. The next night, 11/9, I tuned into "581" repeated in Spanish by YL at 0537. At 0539, "202" was repeated twice, then "349" twice, and then into five-digit Spanish groups, with each group repeated twice! It was still going strong past 0630.

You might want to send me a large SASE for the December issue of my *Umbra et Lux* newsletter. In it, Havana Moon will reveal a newly discovered location of a numbers station. This is for real, folks! And here's a hint—it's not in the United States or Cuba! It's a blockbuster story!!

Steve Bohac is currently wrapping up the restoration and modification of a HQ180A for me. This one is trimmed to the max—outboard Q-multiplier, SB620 spectrum analyzer, trimmer caps on the mixer stages, and frequency readout to one Hz. The ultimate AM mode DXing machine will be mine!!!

See you next month. Please report!! 73!!!

*Harry*

Wanted: Tapes/airchecks. Please send descriptions and prices to  
Mark Pierce, 7516 Cartwright Ave, Sun Valley, CA 91352.

HAVANA MOON  
117 W. Harrison Building  
6th Floor, Suite H-319  
Chicago, IL 60605

HAVANA  
MOON



When the moon I see  
Ah, in myriad ways how sad  
Things indeed appear;  
Yet it is not just for me  
That the autumn tide is here. —  
-- Shin Kokinshu

### \* Numbers 101 \*

Much has been written over the past years about these curious shortwave phenomena - and debate has raged for most of the 25 years these transmissions have been known to exist as to their purpose, originating sites and the individuals responsible for them.

Ira Martin raised some fundamental questions in his letter last month - and in developing a response to him, I realized that maybe it's time to get back to the basics - back to Numbers 101 - time to re-examine the distinctly different formats which appear in these transmissions, time to re-visit the suggestions made over these past years that these messages are meant to be decoded by one-time-pads, and so on.

Readers should be aware that there is probably no SINGLE explanation for these curious transmissions. Several distinctly different transmission formats have been identified and the findings published. ("Uno, Dos, Cuatro: A Guide To The Numbers Stations," Havana Moon, Tiare Publications, 1987).

### Type 1 Transmissions

"Atencion 975 20" (repeated for several minutes)  
xxxxxx xxxxxx . . . (ciphertext or crypt)  
"Final" (repeated twice)

This is the most commonly encountered type of numbers transmission. It is the same format that once terminated with "Adios." The "Adios" terminator has not been heard for several years.

The meaning of the first three digits remains unknown. Most monitors, however, refer to these three digits as an "identifier" of some type. The second set of digits indicates the "group count" of the message.

Regarding what appears to be a widespread belief that these numbers are to be decoded using a one-time pad or derivative, it is curious to note that in many cases, the same 5-digit group repeats 3-4 times in a single crypt.

Additionally, these messages are often repeated from week to week, and in some cases from month to month. It has been noted that the tapes are repeated so often that tape breaks sometimes occur, and when spliced back together, one digit of a group will have been spliced out, resulting in a not uncommon situation where a four-digit group will be found mixed in with the other five-digit groups!

These facts would tend to point one away from the one-time-pad concept and support a couple of other theories - suggesting that the numbers are NOT a cipher, but rather a code unto themselves, and that much of this traffic is 'dummy' in nature - broadcast simply to keep a frequency open over a long period of time.



The majority of 5-digit Spanish transmissions are badly over-modulated. The end result is extreme signal distortion and numerous spurs up and down frequency. Spurs can often be heard from 15 to 25 kHz on either side of the carrier frequency. Even with the NRD-525's narrow filter, this anomaly is often observed.

So it appears that while the individuals responsible are very skilled at maintaining their anonymity, their technical abilities leave much to be desired. It's worth noting that this same technical ineptitude is NOT noted in 4-digit Spanish or English transmissions.

Assuming that these transmissions are of some importance, it would behoove those responsible to endeavor to 'clean up their act.' They are often so badly distorted that it is extremely difficult to copy an entire crypt without numerous errors. As an example, the numbers 'sies' (6) and 'siete' (7) are almost indistinguishable when broadcast under such conditions.

Another transmission format next month - but in the meanwhile, the activity on 6577 kHz continues . . .

\* \* \* \* \*

With state-of-the-art RDF equipment and the assistance of highly authoritative and professional resources, three numbers sites have been positively identified over the past few weeks. Information about the locations of these sites and authoritative speculation as to the reasons for these transmissions and the individuals responsible for them will appear in the next two issues of the Umbra et Lux Newsletter.

A #10 SASE is all it takes - Umbra et Lux, Department NAB, 10606-8 Camino Ruiz, Suite 174, San Diego, CA 92126.

\* \* \* \* \*

AND NOW . . .

This month we feature a very interesting letter from Don Bishop of Overland Park, KS. Don says, "while tuning my shortwave receiver at 0400 UTC, I heard two numbers stations.

"4496 kHz, female voice, numbers in Spanish. The signal sounded better with the receiver's BFO activated, although there appeared to be some residual, unstable carrier.

"6600 kHz, modulated Morse code on an AM signal. 5-character groups, usually all numbers, but sometimes a letter, most often occurring letter was "T". Each five character group was repeated once immediately after it was sent."

It's possible, Don, that the "T" equated to the number "0". This substitution is a common military and commercial technique. Thanks very much for the excellent report.

\* \* \* \* \*

This month's reception reports will, for the most part, be devoted to CW transmissions.

The cut number crypto alphabet utilized by these stations is as follows:

A=1, N=2, D=3, U=4, W=5, R=6, I=7, G=8, M=9, T=0

4027.8 kHz 0000 UTC CW 5-F HM/?  
(This frequency often reported as being 4030 kHz.)

5138.0 kHz 0200 UTC CW 5-F HM/?  
6786.0 0200 CW 5-F HM/?  
7526.4 0000 CW 5-F HM/?

8055.2 0030 CW 5-F HM/?  
(This is the repeat frequency for 7526.4 kHz.)

\* \* \* \* \*

3444.6 kHz 0200 UTC YL AM 5-D SS HM/?  
(Second harmonic also observed.)

3927.0 kHz 0000 UTC YL AM 5-D SS JF/FL  
11468.0 2100 YL AM 5-D SS JF/FL  
(One of the most easily heard of all numbers stations.)

# CONTRIBUTORS CORNER

HM - Havana Moon, JF - John Fulford, and Don Bishop. Many intercepts, including those of Zel Eaton and John Fulford were withheld due to space constraints. Their contributions will be included in next month's issue.

And by the way - Zel and John will soon be getting their checks off to A\*C\*E! They are Contributing Editors on Havana Moon's "Los Numeros" On-Line. Zel is noted for his association with "Sharkhunters" and "Interrotech." He is also a frequent contributor to UeL. John, a veteran law enforcement officer, having served both state and federal agencies in various capacities, is considered an expert in surreptitious communications.

Perhaps John and Zel can be persuaded to do occasional articles for The A\*C\*E!

\* \* \* \* \*

# I'M PIG-BITING MAD

(With apologies to Ed Anger of the infamous "Weekly World News."

Was I ever burned! While in Denny's this morning, enjoying a cup of coffee while scanning the pages of the Sunday magazine supplement (name of supplement will be withheld) my eyes caught a full page ad by a New York-based company marketing a Soviet military-style watch! And could you believe that this company (which shall remain nameless) has the audacity to ask \$100 for this piece of Soviet sleaze!! Now as if that's not enough, this awesome (?) piece of wrist-apparel comes handsomely packaged in a "Caviar Tin". And - as a free bonus - if you order now, you'll receive a genuine US/Soviet "Crossed Flags" enamel lapel pin!

I'd sooner be caught with a Tammy Faye wristwatch than with this KGB-style timepiece!

I rest my case.

\* \* \* \* \*

And just who is Ed Anger? That question is somewhat open to debate. The REAL Ed Anger's initials are RK. However, RK says the current Ed Anger is not the REAL thing! And legal action is pending!

If for nothing other than a good laugh, pick up a copy of "The Weekly World News" and look for Ed Anger's "My America."

It's a laugh a minute, folks!

\* \* \* \* \*

# HAVANA MOON RECOMMENDS:

Look at your favorite newsstand for "The Electronics Handbook" published by C&E Hobby Handbooks, of North Branch, NJ. The current issue contains an excellent article by Ed Noll (W3FQJ) entitled "DX'g the AM Broadcast Band Clear Channels."



Then there's the December issue of "Soldier of Fortune."  
This is a 'don't miss, industrial grade macho issue.'

\*\*\*\*\*  
The rumors you've been hearing in regards to a major numbers  
breakthrough are indeed true. Beginning next issue, A\*C\*E  
readers will be brought up-to-date on these rapidly breaking  
events.

\*\*\*\*\*  
HAVANA MOON'S COSMIC SPOTLIGHT

This month's cosmic spotlight shines on Don Bishop. Don is  
the lucky winner of that OFFICIAL Batman wristwatch. Thanks  
for your contributions, Don. Wear it with pride! And  
remember that a man with one wristwatch always knows what time  
it is, whereas a man with two wristwatches never knows the  
correct time!

There's a real biggie in store for next month's winner - it  
will be a GPX cassette player stereo with graphic equalizer.  
This item is guaranteed NOT to self-destruct when playing  
James (I Feels Good) Brown tapes!

Winner to be selected at random. Get those intercepts in,  
guys!

Some previous winners are experiencing a delay in receiving  
their gifts. These problems with various distributors have  
now been rectified. Your loot is on its way and will arrive  
shortly. Thanks for your understanding.

\*\*\*\*\*  
HM's CHRISTMAS WISH LIST

I'd like to find a brand spanking new Grove SR-1000 Spectrum  
Surveillance Receiver under my tree - I could even be persuaded  
to leave Santa some extra milk and cookies if he would come  
across with one of these for me!

However, I probably wasn't good enough to qualify for such a  
magnificent gift, so I guess I'll just have to make do with my  
NRD and settle for the 1990 Vintage Radio Calendar - available  
from Grove Enterprises - 800-438-8155.

\*\*\*\*\*  
Computer Freaks - watch the Usenet and the Shortwave Echo for  
frequent Numbers updates. And come join Havana Moon y Amigas  
every Saturday night on Portal for real-time conferences. Our  
first Meeting was a great success, and included Tom Sundstrom,  
Jim Vickonoff, Zel Eaton and about two dozen other folks.

We'll be moving to a "Topic of the Evening" format in a couple  
of weeks - let us know what you'd like to discuss!

E-mail addresses: sun!portal!cup.portal.com!havanamoon OR  
havanamoon@cup.portal.com OR 1:280/3 on the Fidonet.

\*\*\*\*\*  
BULLETIN

Watch for Havana Moon on Jonathan Marks' Media Network Show on  
Radio Netherlands - coming December 7th!

See you at the Denny's on the Beach. time now for a Tecate and . .

Havana Moon y Amigas  
33469

NON-CLANDESTINE PIRATE NEWS

Gerry Dexter forwards a letter from Hans Knot of the Netherlands that had been  
addressed to me VIA Gerry's Tiare Publications address in Lake Geneva, Wisconsin.  
Hans notes the publication of his new book, 25 Years of Radio Caroline Memories. The  
202 page book covers Caroline in 36 chapters, including 150 photos and a complete  
list of all DJ's who have worked for the station. This book is available VIA surface  
mail for 10 British pounds (payable by International Money Order) from J. A. Knot,  
Box 102, 9700 AC Groningen, The Netherlands. Airmail increases the cost to 15 pounds.  
Hans also edits the europirate Dutch language "Freewave Media" bulletin, and he says  
that an English language version of this publication is anticipated in 1990.

Speaking of Tiare Publications, look for an announcement next month in the A\*C\*E about  
the availability of the newly updated 1990 Pirate Radio Directory!

THANKS!

This month we thank direct contributors Bob Ross (Ontario), Mark Pierce (California),  
Bob Brown (KW3F, Pennsylvania) and the ANARC 7240 Shortwave Listeners Net at 1500 UTC  
on Sunday mornings), Gerry Dexter (Wisconsin), Terry Kreuger (Florida), Hans Knot  
(Netherlands), George Zeller (Ohio), and two anonymous reporters. Your information  
on clandestines is very welcome for the January 1990 A\*C\*E bulletin; the deadline  
next month for material to Cleveland is December 16. We all hope to hear from YOU!

continued from page 19

Another station dies.  
But things don't have to be quite like this, now that some stations  
are asking for tapes to relay over the air. If you've got some great  
programming that you want people to hear, it can be aired. It's one  
way to keep an idea alive, incase you still want to pick up  
transmitter in a few years or months or whatever. Or you can only  
operate your station via relay, since it is not illegal to make tapes  
that are rebroadcast. The transmitting station breaks the rules.

Stations willing to relay programs from other stations have not been  
abundant over the past few years. But, two stations capable of covering  
most of the country, KNBS and East Coast Pirate Radio have been  
requesting stations to send in tapes. I'm not sure if KNBS has relayed  
anyone yet, but ECPR recently relayed a program from the Voice of  
Stench. KNBS can be contacted at: PO Box 452, Wellsville, NY 11895 and  
ECPR at: PO Box 6527, Baltimore, MD 21219. Falling Star Radio had  
asked for programs to rebroadcast, but they have been unactive over the  
past six months.

On the West Coast, Frank Marauder from Zodiac Radio seems to be  
relaying anything he can get his hands on. I've heard that he has  
relayed many of the Wellsville, NY stations including Tangerine Radio,  
Radio Grbanzo, Radio USA, and KNBS. He's also played a few European  
tapes, including Radio Pamela. Zodiac Radio can be contacted at the  
Wellsville, NY add.

And since no North American pirates have good signal coverage into  
Europe, it should be worthwhile for most to write to Radio Waves  
International, the French relay station. Since they relay anything  
for free and they apparently use 200 watts on 41 and 48 meters, a  
tape sent to them should yield a few reports. Contact RWI at: BP 130,  
92504 Rueil Cedex, France.

The Editor's final note: This issue of the A\*C\*E is going to the  
printer's a few days early. If your loggings or other  
contributions did not make this issue, watch for them in the  
January issue. Happy Holidays to one and all, but remember to  
keep an ear on the radio.



ASSOCIATION OF CLANDESTINE RADIO ENTHUSIASTS  
P. O. Box 11201  
Shawnee Mission, KS 66207-0201

The A\*C\*E is an association of individuals who find pirate, clandestine and covert communications an interesting part of their radio listening hobby. The primary existence of the club revolves around the publication of a monthly bulletin, The A\*C\*E. The bulletin reports on pirate, clandestine, covert and other unexplained broadcasts. Also, the readers are provided with other available material concerning motives, explanations and theories behind these various broadcasts and broadcasters. The ACE as an organization, does not encourage, support or condone any illegal activity; we simply seek to understand the nature and reasoning behind such broadcasts. If your interests include listening to pirate radio stations, clandestine broadcasts and covert communications, The A\*C\*E is for you!

Our Editors...

John Arthur ..... Varied Response  
Kirk Baxter ..... Dialogs  
Harry Helms ..... Covert Corner  
Havana Moon ..... The Los Numeros Update  
Andrew Yoder ..... DX Clip Board  
George Zeller ..... Clandestine Profile

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